

What is claimed is:

1. A vehicular brake system comprising a brake actuator that enables brake assist to be carried out, the brake assist increasing a braking force exhibited by wheel brakes in response to a braking operation input by a vehicle driver in comparison with the braking force when it is unassisted,

wherein the vehicular brake system further comprises:

braking operation detection means for detecting a braking operation by the vehicle driver;

emergency avoidance steering operation detection means for detecting an emergency avoidance steering operation by the vehicle driver; and

actuator control means for controlling operation of the brake actuator so as to carry out the brake assist in response to the braking operation detection means detecting a braking operation while the emergency avoidance steering operation is being detected by the emergency avoidance steering operation detection means or during a period from the detection of an emergency avoidance steering operation by the emergency avoidance steering operation detection means to the time when a predetermined period of time has elapsed after the detection has ended.

2. A vehicular brake system comprising sudden braking operation detection means for detecting a sudden braking operation by a vehicle driver based on comparison between a parameter and a reference value in relation to the amount of braking operation by the vehicle driver; and a brake actuator that enables brake assist to be carried out when there is a sudden braking operation, the brake assist increasing a braking force exhibited by wheel brakes in response to a braking operation input by the vehicle driver in comparison with the braking force when no sudden braking operation is detected,

wherein the vehicular brake system further comprises:

emergency avoidance steering operation detection means for detecting an emergency avoidance steering operation by the vehicle driver; and

reference value changing means for changing the reference value to a side where an braking operation is easily detected as a sudden braking operation while the emergency avoidance steering operation is being detected by the emergency avoidance steering operation detection means or during a period from the detection of an emergency avoidance steering operation by the emergency avoidance steering operation detection means to the time when a predetermined period of time has elapsed after the detection has ended.

3. A vehicular brake system according to Claim 1 or 2 wherein the system further comprises turning movement target value determination means for determining a target value for vehicle turning movement; turning movement actual value detection means for detecting an actual value of vehicle turning movement; and turning movement control means for comparing the actual value with the target value and controlling the braking forces of the wheel brakes based on the result of the comparison so that the actual value approaches the target value; and when control by the turning movement control means is being carried out prior to a braking operation by the vehicle driver, the brake assist by the brake actuator is disabled, or the changing of the reference value by the reference value changing means is disabled.